

EXTERNALLY GLAZED ARTICLE

ABSTRACT OF THE DISCLOSURE

The invention describes an article and method comprising a refractory article having an outer surface covered by an insulating coating over which a protective glaze is applied. The method includes applying a suspension of an insulating coating to a refractory piece, drying the suspension, applying a glaze slip over the coating, and drying the slip to form a protective glaze. In one embodiment, the article comprises a carbon-bonded alumina-graphite nozzle, an insulating coating containing hollow microspheres, and a protective glaze formed from a fusible frit. The invention is described as improving wetting to the refractory piece, reducing delamination of the glaze and insulating coating from the piece, and reducing oxidation of the piece.

00756744-01101
TO: T10-T123200